GCCS BLOCK 1

JOINT INTEROPERABILITY AND ENGINEERING ORGANIZATION

User Handbook
13 Apr 95

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Preface

This User Handbook was developed to provide keystroke-level assistance in the navigation and use of basic Information Management System (IMS) and Reference File Manager (RFM) functions. Processes are described for feeding each of the Technology Insertion Project (TIP) applications (DART, LOGSAFE, FAPES and JFAST) with both TPFDD information (IMS) and supporting reference files (RFM). Both IMS and RFM instructions are presented individually by application.
DART is included in this guide to support stand-alone users and as an interim tool pending the fielding of Requirement Development and Analysis (RDA) software.

Section Two provides the novice user with keystroke assistance on the functioning of one or more applications of each product. Keystrokes are intended to provide only examples of what might be entered by a fictional user.

This document is the second edition of the Block 1 User Handbook dated 18 Apr 94. It has been updated with procedures applicable to GCCS version 2.x .

1. TIP FILE MANAGEMENT

Keystroke conventions for this section conform to the following table:

LEGEND:
Italicized bold print denotes entries keyed by the operator.
Double underlined Italicized entries must be replaced by the correct values.
[CONTROL] denotes pressing the Control key.
[RETURN] denotes pressing the Enter key.
[TRANSMIT] denotes tabbing to and activating or clicking on the TRANSMIT button.
[ESC] denotes pressing the Escape key.
[ALT] denotes pressing the Alt key.
[SHIFT] denotes pressing the Shift key.
[SPACE] indicates that a space is to be entered (usually used when it is not apparent that a space would be inserted).

Procedures contained within are presented with the idea that reference files are downloaded uniquely by application. While this may be so, more often, the JOPS standard reference files are shared by multiple applications. Examples of shared files are TUCHA, GEOFILE, and COUNTRY. Once the reference files are loaded from the GCCS JOPES Core Database into RFM, they may be transferred into the necessary applications.

Figure 1-1 describes the processes used by each of the applications. In general, files are extracted from the GCCS JOPES Core Database using various extract scripts within IMS/RFM. The files created are then transferred from IMS/RFM to the applications.

It may be necessary at some sites to "air gap" files from the Server to various stand-alone devices containing applications such as DART. One of multiple methods to accomplish this is contained in Appendix A.

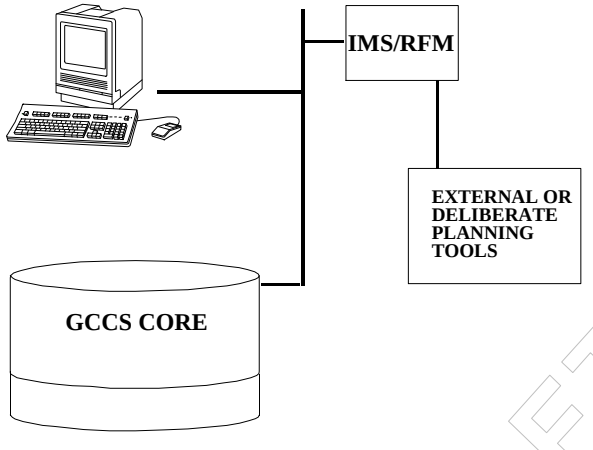

Figure 1-1. Functional Schematic of IMS/RMF.

1.1 DART

1.1.1 SEQUENCE OF EVENTS FOR PREPARING DART

PREPARING DART	
Several steps are required to properly populate data files within DART. Files are extracted from JOPES.	
I.	Download GCCS JOPES UI data to RFM
II.	Transfer TPFDD to DART using IMS.
III.	DART-Reference File Manager File Transfers.

1.1.2 DOWNLOADING GCCS JOPES UI DATA TO FILE

DOWNLOADING JOPES UI DATA TO RFM	
INPUT	**EXPECTED RESULTS**
This procedure is applied by the JOPES user to move GSORTS data from JOPES to a file on the server so that it may be read by RFM into DART. In this procedure, [RETURN] is used interchangeably with [TRANSMIT].	
1. From the GCCS Launch Window, Click on the AHQ Icon with the mouse.	The Welcome to Ad Hoc Query screen (AHQ-001) appears.
2. Select OPLAN ID, Requirements button and at the Command Line, type ***OPEN***.	The Query selection list will appear.
3. Select the DART UI Query from the list, QR_DART_UI	The User Specified Record Retrieval screen (AHQ-002) will appear with a number of qualifiers present.
4. Click on **DOIT** button	The Ad Hoc Query Results screen (AHQ-004) will appear with UI data listed.
5. Click on **Format Report** Button.	The report will be pushed into an Applix spreadsheet.
6. Click on the File, Save As selection. Pick as a format, ASCII file, save the file to: /h/imsrfm/imsdata/refs	Applix will indicate completion
7. Exit Applix	Ad Hoc Query will reappear
8. Exit Ad Hoc Query with **[F-12]**	The Launch Window reappears

1.1.3 TRANSFER TPFDD TO DART USING IMS

TRANSFER TPFDD TO DART USING IMS	
INPUT	**EXPECTED RESULTS**
1. From the GCCS Desktop Launch Window, Click on the **IMS Icon**.	The TIP Information Management System window displays.
2. Select as a source, the GCCS Core database Click on **SELECT** Click on **TPFDD** block Type ***OPLAN ID*** Click on DART as TPFDD destination Click on **TRANSFER.**	GCCS Core Database is highlighted. DART is highlighted. The data transfer (log-in) screen appears.
3. Click on **OK**.	A window will appear, connecting to the GCCS Core Database, transferring the TPFDD to IMS. The "Transfer TPFDD from IMS to DART" window appears. Monitor the display for messages such as "Done. - Please Press RETURN to Continue."
4. **[RETURN]**.	The IMS screen is presented.
5. Click on **Quit**.	The system is returned to the Launch window.

1.1.4 DART-REFERENCE FILE MANAGER FILE TRANSFERS

DART-REFERENCE FILE MANAGER FILE TRANSFERS	
INPUT	**EXPECTED RESULTS**
Reference File Manager transfers JOPES standard reference files to DART. They include: GEOFILE, ASSETS, CHSTR, TUCHA, and the AHQ extract of the UI file. Each file is transferred in the same manner as described below.	
1. From the Launch window, Click on **REF MGR** icon.	Reference Manager screen is presented.
2. Click on reference file to be downloaded from GCCS JOPES Core Database to the server.	The reference file is highlighted.
3. Click on **UPDATE** Bar.	
4. With the desired reference file highlighted in the Update Box, click on desired application in right box.	Application is highlighted.
5. Click on **TRANSFER** bar.	Last load date changes to present date. System Status notification indicates "load successful."
6. Repeat as necessary for remaining reference files.	
7. Click on the **QUIT.**	The Ref Mgr window closes and you are returned to the Launch Window.

1.2 FAPES

1.2.1 SEQUENCE OF EVENTS FOR PREPARING FAPES

PREPARING FAPES	
Several steps are required to properly populate data files within FAPES. The majority of files are extracted from the GCCS Core Database. Non-GCCS files are provided periodically via floppy disk by the Joint Staff J-4 (Sustainment-Mob).	
I.	Launch IMS. Transfer TPFDD into FAPES.
II.	FAPES Reference File Manager File Transfers.

1.2.2 LAUNCH IMS. TRANSFER TPFDD INTO FAPES

TRANSFERRING TPFDD TO FAPES USING IMS	
INPUT	**EXPECTED RESULTS**
1. Click on the **IMS Icon**	The TIP Information Management System window displays.
2. Select as a source, the GCCS Core Database Click on **SELECT** Click on TPFDD block Type ***OPLAN ID*** Click on FAPES as TPFDD destination Click on **TRANSFER**	GCCS Core Database is highlighted. FAPES is highlighted. The data transfer (log-in) screen appears.
3. Click on **OK**	A window will appear, connecting to the GCCS Core Database, transferring the TPFDD to IMS. The "Transfer TPFDD from IMS to FAPES" window appears. Monitor the display for messages such as "Done. - Please Press RETURN to Continue."
4. **[RETURN]**	The IMS screen is presented.
5. Click on **Quit**	The system is returned to the Launch window.

1.2.3 FAPES-REFERENCE MANAGER FILE TRANSFERS

FAPES-REFERENCE MANAGER FILE TRANSFERS	
INPUT	**EXPECTED RESULTS**
Reference Manager transfers Plan Information files, previously extracted/converted on the GCCS JOPES Core Database, to FAPES. **The procedures outlined hold true for other data loaded. This data may include SORTS, MPES, RCCPDS, or DMDC data. Source of information is the Joint Staff J-4 or DISA. Data is loaded from the server to the FAPES application. *Remember, whenever either SORTS or TPFDD data is loaded within FAPES, Option 2 of the Data load component, Refresh Unit/Force Req must be initiated!* See FAPES Users Manual for detailed instructions and procedures.**	
1. From the Launch window Screen, click on **REF MGR** icon	Reference Manager screen is presented.
2. Click on reference file to be downloaded from the GCCS Core Database to RFM	The reference file is highlighted.
3. Click on **UPDATE** bar	
4. With the desired reference file highlighted in the Update box, click on FAPES in right box.	Application is highlighted.
5. Click on **TRANSFER** bar	Last load date changes to present date. System Status notification indicates "load successful."
6. Repeat as necessary for remaining reference files	
7. Click on the **QUIT**	The Ref Mgr window closes and you are returned to the last active Window, in this case, the Launch window screen.

1.3 LOGSAFE

1.3.1 SEQUENCE OF EVENTS FOR PREPARING LOGSAFE

PREPARING LOGSAFE	
I.	Transfer TPFDD to LOGSAFE using IMS.
II.	Launch Reference Manager and transfer reference files into LOGSAFE.
III.	Initialize files in LOGSAFE.
IV.	Transfer from LOGSAFE to GCCS JOPES Core Dtabase.

1.3.2 TRANSFER TPFDD (FREF) FROM GCCS JOPES CORE DATABASE TO LOGSAFE

TRANSFER TPFDD TO LOGSAFE USING IMS	
INPUT	**EXPECTED RESULTS**
1. Click on the **IMS Icon**	The TIP Information Management System window displays.
2. Select as a source, the GCCS Core Database Click on **SELECT** Click on TPFDD block Type ***OPLAN ID*** Click on LOGSAFE as TPFDD destination Click on **TRANSFER**	GCCS Core Database is highlighted. LOGSAFE is highlighted. The data transfer (log-in) screen appears.
3. Click on **OK**	A window will appear, connecting to the GCCS Core Database, transferring the TPFDD to IMS. The "Transfer TPFDD from IMS to LOGSAFE" window appears. Monitor the display for messages such as "Done. - Please Press RETURN to Continue."
4. **[RETURN]**	The IMS screen is presented.
5. Click on **Quit**	The system is returned to the Launch window.

1.3.3 LOGSAFE-REFERENCE MANAGER FILE TRANSFERS

LOGSAFE REFERENCE FILE MANAGER FILE TRANSFERS	
INPUT	**EXPECTED RESULTS**
Reference File Manager transfers reference files to LOGSAFE. Each file is transferred in the same manner as described below.	
1. From the Launch Window, Click on **REF MGR** icon	Reference Manager screen is presented.
2. Click on reference file to be downloaded from GCCS JOPES Core Database to the server.	The reference file is highlighted.
3. Click on **UPDATE** Bar	
4. With the desired reference file highlighted in the Update Box, click on LOGSAFE in right box	Application is highlighted.
5. Click on **TRANSFER** bar	Last load date changes to present date. System Status notification indicates "load successful."
6. Repeat as necessary for remaining reference files	
7. Click on **QUIT**	The Ref Mgr window closes and you are returned to the Launch Window.

1.3.4 INITIALIZE FILES IN LOGSAFE

INITIALIZE FILES IN LOGSAFE	
INPUT	**EXPECTED RESULTS**
1. From the Launch window, click on the **LOGSAFE** icon	The **LOGSAFE Main Menu** will appear.
2. Click on **INPUT FILE PREPARATION**	A secondary cascading menu will appear.
3. Click on **CREATE**	A secondary cascading menu will appear.
4. Click on **FREF**	If a FREF file already exists, the message **This selection will overwrite the data in the FREF files(s)** will be displayed.
5. Click on **OK**	The **Create FREF** window appears.
6. Enter ***PlanID*** and change modifiable to **Y[RETURN]**	
7. Press **F10(s)** to return to **CREATE**, and click on **POSF**	If a POSF file exists, the message "**This selection will overwrite the data in the POSF files(s)**" will be displayed.
8. Click on **OK**	The **Create POSF** window appears.
9. Enter ***POSF Identifier***, answer **Y** to **Build from FREF**, and enter ***Classification*****[RETURN]**	
10. Press **F10(s)** to return to **CREATE**, and click on **UCFF**	If a UCFF file exists, the message **This selection will overwrite the data in the UCFF files(s)** will be displayed.
11. Click on **OK**	The **Create UTC Consumption Factors File** window appears.
12. Enter ***Target Theater for consumption rates*** and ***Classification*****[RETURN]**	(NOTE: This step takes several minutes to complete.)
13. Press **F10(s)** to return to **CREATE**, and click on **PFF**	If a PFF file already exists, the message **This selection will overwrite the data in the PFF files(s)** will be displayed. If not, a secondary cascading menu will appear.

INITIALIZE FILES IN LOGSAFE	
INPUT	**EXPECTED RESULTS**
14. If the message appears, click on **OK** If the cascading menu appears select **NEW[RETURN]**	The **Create PFF** window appears.
15. Enter ***CINC Code***, ***Target Theater for Origin***, ***Target Theater for Consumption***, and ***Classification*****[RETURN]**	Apportionment list appears.
16. Press **F10(s)** to return to the main menu	**LOGSAFE Main Menu** appears.
17. Click on **SUSTAINMENT REQUIREMENTS GENERATION**	A secondary cascading menu will appear.
18. Click on **RUN MODELS**	A secondary cascading menu will appear.
19. Click on **GENERAL SUPPLY MODEL**	A secondary screen will appear listing Services.
20. Click on ***MARINES*** and press **[RETURN]** NOTE: Presumably this is the first LOGSAFE run with this FREF. LOGSAFE creates NURCS only once, so if this is a subsequent iteration, select a service for which NURCs have not been created. Additionally, there must be data (other than 9999999.99 in some of the UCFF GENERAL RESUPPLY categories for the Service selected)	Generation in-progress screen appears.
21. When red **COMPLETE** appears**[RETURN]**	A secondary cascading menu will appear.
22. Click **F10(s)** until the **LOGSAFE** main menu appears	
23. Click on **UNSOURCED NURC RECORD GENERATION**	A secondary cascading menu will appear.
24. Click on **GENERATE NURC RECORDS**	A secondary cascading menu will appear.

INITIALIZE FILES IN LOGSAFE	
INPUT	**EXPECTED RESULTS**
25. Click on **BYPASS AVAILABILITY CHECK**	**Service Selection Combination** screen appears.
26. Click on ***MARINES*****[RETURN]**	**UNSOURCED NURC RECORD GENERATION** screen appears.
27. When red **COMPLETE** appears**[RETURN]**	A secondary cascading menu will appear.
28. Click **F10(s)** until the main menu appears	
29. Click on **NURC RECORD CHANNELIZATION**	**PROVIDING ORGANIZATION SELECTION CHOICES** screen appears.
30. Click on **UNSOURCED[RETURN]**	**NURC AGGREGATION** screen in-progress appears.
31. When red complete appears**[RETURN]**	
32. Click **F10(s)** until the **LOGSAFE** main menu appears	
33. Click on **NURC REPORTS**	A secondary cascading menu will appear.
34. Click on **CHANNELIZED**	A secondary cascading menu will appear.
35. Click on **NURC RECORD COUNTS**	A secondary cascading menu will appear.
36. Click on **DISPLAY ON SCREEN**	**Channelized NURC Record Counts** displays on Screen (e.g., 14 Marine records are created).
37. Click on **F12 Exit** button	The message **F12 will terminate this program - OK** will also be displayed.
38. Click on **OK**	The **GES Main Menu** will appear.

1.3.5 TRANSFER FROM LOGSAFE TO GCCS CORE DATABASE

TRANSFER FROM LOGSAFE TO GCCS CORE DATABASE	
INPUT	**EXPECTED RESULTS**
1. After activating **IMS** from the **Launch window**, highlight **LOGSAFE** in the **TPFDD Source** column Click on **SELECT**	TPFDDs, TPFDD Destination, TPFDD comments, System notification, and TPFDD information are displayed on the TIP Information Management System screen.
2. Click on the **TPFDD to be transferred**, and click on **GCCS Core Database** in the **TPFDD Destination** column Click on **TRANSFER**	The **Transfer File from** GCCS Core Database screen appears and as the TPFDD is being transferred, a status message appears reporting when the transfer is complete and indicates **Press RETURN to continue**.
3. Select the **System Services** Icon	The **System Services Menu** appears.
4. Select **Plan Management** and then **Plan Maintenance**. If the OPLAN already exists in the GCCS Core Database, either delete the OPLAN or select Merge TPFDDs from the System Services Menu.	When complete, exit System Services.

1.4 JFAST. As reference files in JFAST are non-standard, extraction from the GCCS JOPES core database would be ineffective. Accordingly, reference files for JFAST will be distributed by floppy disk from USTRANSCOM, the originator of JFAST. Procedures for updating files are described in the most recent JFAST Users Manual.

TRANSFERRING TPFDD TO JFAST USING IMS	
INPUT	**EXPECTED RESULTS**
1. Click on the **IMS Icon**	The TIP Information Management System window displays.
2. Select as a source, the GCCS Core Database Click on **SELECT** Click on TPFDD block Type ***OPLAN ID*** Click on JFAST as TPFDD destination Click on **TRANSFER**	GCCS Core Database is highlighted. JFAST is highlighted. The data transfer (log-in) screen appears.
3. Click on **OK**	A window will appear, connecting to the GCCS Core Database, transferring the TPFDD to IMS. The "Transfer TPFDD from IMS to JFAST" window appears. Monitor the display for messages such as "Done. - Please Press RETURN to Continue."
4. **[RETURN]**	The IMS screen is presented.
5. Open DOS on the JFAST PC. Locate the JFAST TPFDD files transferred through IMS. They should be on the D Drive (but could be on another drive depending on system configuration) to confirm successful IMS transfer. They will be listed by the TPFDD name followed by M00, P00, R00, T00 and U00 .NEW (e.g. 096KSM00.NEW). Return to the C Drive prompt.	C Drive prompt displayed.

TRANSFERRING TPFDD TO JFAST USING IMS	
INPUT	**EXPECTED RESULTS**
6. At the C: prompt type: ***md\plan*[RETURN]** Type: ***cd\plan*[RETURN]** Type: ***md\TPFDD NAME*[RETURN]** Type: ***dir*[RETURN]** Confirm that the directory and sub-directory were created. Note: JFAST looks for TPFDD files in this directory. Other means may be equally successful in establishing a \PLAN directory recognizable to JFAST. From the C Drive**PLAN*TPFDD NAME** prompt proceed to the next step.	The C Drive**PLAN\(TPFDD NAME)** prompt is displayed.
7. From **C:\PLAN*TPFDD NAME*** prompt type ***DIR D:*** (or drive where TPFDD files were located if different)**[RETURN]**	Files contained on the D Drive will be listed
8. From **C:\PLAN*TPFDD NAME*** Type ***copy D:\TPFDD name*.new c:*[RETURN]**	The files identified by ***TPFDD NAME*** on the D Drive will be copied to the Plan Directory on the C Drive. The number of files copied is indicated. Note: The number of files copied may be less than the number displayed if there were any empty files.
9. Launch JFAST and follow plan transfer procedures outlined in the second paragraph on page 8 in the JFAST User's Guide.	The TPFDD should be listed in the JFAST **Plan Save Area**.

2. FUNCTIONAL THREADS. This section provides the novice user with keystroke assistance on the functioning of one or more applications of each product. The sequence of events table is not provided, as each functional thread may be executed independently.

DART FUNCTIONAL IMPROVEMENTS

FAPES, LOGSAFE and JFAST

FUNCTIONAL THREADS

2.1 DART. The Dynamic Analysis Replanning Tool (DART) is used primarily to edit TPFDDs offline the core database.

2.1.1 CREATE AND CHANGE ULN VALUES

CREATE AND CHANGE ULN VALUES	
INPUT	**EXPECTED RESULTS**
The DART user is able to create and change ULN values from the DART TPFDD Editor module.	
1. Launch **DART**	
2. Click on the **Password text box** to activate the I-Bar	I-Bar appears in password box.
3. Click on the **USERID text box** and enter your assigned ***USERID***	I-Bar appears in USERID box.
4. Click on the **Password text box** and enter your assigned ***Password***	The DART Summary screen appears.
5. Click on the **TPFDD** editor action button	The TPFDD Editor screen appears.

CREATE AND CHANGE ULN VALUES	
INPUT	**EXPECTED RESULTS**
6. Click on **TPFDD** line in the **TPFDD Information box**	The Operations Menu appears.
7. Click on the **SELECT** button	The Choose an OPLAN Menu appears.
8. Click on the desired **OPLAN**	The Choose a TPFDD Menu appears.
9. Select the desired **TPFDD** by clicking on the appropriate action button	TPFDD loads to TPFDD editor.
10. Click on the **SELECT** action button	The User Specified Record Retrieval Screen appears.
11. Select ENTIRE TPFDD button	DART displays the retrieved records on the Chart Display.
12. Mark record(s) for change.	Selected REQIDs are highlighted on the Chart Display.
13. Click on the **MARKED RECORDS** menu option	The Operations on the Marked (ULN/CIN/PIN) List appears.
14. Click on the **RENUMBER** action button	DART shows the Choose Renumbering Style Screen.
15. Click on the desired renumbering option action button	DART performs required database changes and updates the Chart Display collection and displays the Optional FM Operations Screen.
16. Click on the desired Optional FM Operations action button	DART performs the desired operation and returns to the Editor Screen.

2.1.2 CREATE SPLIT SHIPMENT RECORDS

CREATE SPLIT SHIPMENT RECORDS	
INPUT	**EXPECTED RESULTS**
The DART user is able to create single and multiple split shipment records from the DART TPFDD Editor module.	
1. Launch **DART**	
2. Click on the **Password text box** to activate the I-Bar	I-Bar appears in password box.
3. **Click on the USERID text box** and enter your assigned ***USERID***	I-Bar appears in USERID box.
4. **Click on the Password text box** and enter your assigned ***Password***	The DART Summary screen appears.
5. Click on the **TPFDD** editor action button	The TPFDD Editor screen appears.
6. Click on **TPFDD** line in the TPFDD Information Box	The Operations Menu appears.
7. Click on the **SELECT** action button	The Choose an OPLAN Menu appears.
8. Click on the desired **OPLAN** action button	The Choose a TPFDD Menu appears.
9. Click on desired **TPFDD**	TPFDD loads to TPFDD editor.
10. Click on the **Express Retrieval** action button	The Express Retrieval option pop-up window will be displayed.
11. Click on **Retrieve Entire TPFDD**	The TPFDD chart display will read --- "All records in TPFDD"
12. Mark record (s) for split shipment	Selected REQID(s) are highlighted on the Chart Display.
13. CLick on the **MARKED RECORDS** menu option from the menu option bar	The Operations on the Marked (ULN/CIN/PIN) List appears.
14. Click on **SPLIT SHIPMENT** action button	DART displays a confirm split shipment screen.
15. Click the **OK** action button	DART displays select SPOD screen.

CREATE SPLIT SHIPMENT RECORDS	
INPUT	**EXPECTED RESULTS**
16. Select or type desired SPOD GEOLOC Use GEOFILE query if GEOLOC is unknown	DART displays select SPOE screen.
17. Select or type desired ***SPOE GEOLOC***. Use GEOFILE query if GEOLOC is unknown	DART displays the Rephase Cargo Shipment from RDD screen.
18. Type desired time phasing for **ALD, EAD** and **LAD**	DART presents a confirmation screen.
19. Click on **OK**	DART creates the split shipment records.
20. To undo a split shipment, mark the records or click on a single record	DART presents the Operations on a ULN screen.
21. Click on **Unsplit Shipments**	The Select Mode of Transportation for Unsplit Shipment screen appears.
22. Click on **Sea** or **Air**	DART completes the action and creates a single movement record.

2.1.3 VIEW AND EDIT LEVEL FOUR CARGO DETAIL RECORDS

VIEW AND EDIT LEVEL FOUR CARGO DETAIL RECORDS	
INPUT	**EXPECTED RESULTS**
The DART user is able to view and edit level four cargo detail records individually or as a collection.	
1. Launch **DART**	
2. Click on the **Password** text box to activate the I-Bar	I-Bar appears in password box.
3. Click on the **USERID** text box and enter your assigned ***USERID***	I-Bar appears in USERID box.
4. Click on the **Password** text box and enter your assigned ***Password***	The DART Summary screen appears.

VIEW AND EDIT LEVEL FOUR CARGO DETAIL RECORDS	
INPUT	**EXPECTED RESULTS**
5. Click on the **TPFDD** editor action button	The TPFDD Editor screen appears.
6. Click on **TPFDD** line in the TPFDD Information box	The Operations Menu appears.
7. Click on the **SELECT** action button	The Choose an OPLAN Menu appears.
8. Click on the desired **OPLAN**	The Choose a TPFDD Menu appears.
9. Click on the desired **TPFDD**	TPFDD loads to TPFDD editor.
10. Click on the **CARGO** icon on the Editor Display Screen	DART displays all cargo records in the Cargo Display Window.
11. Expand cargo records by clicking on the Plus (+) icon	DART displays each available level of cargo detail.
12. Edit the desired values by clicking on the current value. After the value print changes to italic, type in new values**[RETURN]**	DART accepts new cargo detail values.
13. Move or Copy a Cargo Category Code (CCC) by clicking on the desired CCC	A copy or move action window appears.
14. Click on the **Move** or **Copy** action button	The CCC destination window appears.
15. Point and click on the target **REQID**	DART copies or moves the CCC to the destination REQID.
16. To copy or move level four cargo detail records to other REQIDs, expand the cargo record to the fourth level of detail	DART displays each level four detail cargo record with the number of available items in each record.
17. Click on the **item number** of the level four cargo detail record	A copy or move action window appears.
18. Click on the **Copy** or **Move** action button	The level four cargo detail record destination window appears.
19. Click on the target **REQID**	The number of pieces to move window appears.

VIEW AND EDIT LEVEL FOUR CARGO DETAIL RECORDS	
INPUT	**EXPECTED RESULTS**
20. Type in the number of pieces to move	DART moves or copies the records to the desired REQID.

2.1.4 REVIEW AND EDIT FORCE MODULE TITLE AND DESCRIPTION

REVIEW AND EDIT FORCE MODULE TITLE AND DESCRIPTION	
INPUT	**EXPECTED RESULTS**
The DART user is able to review and edit force module(s) title and description narrative.	
1. Launch **DART**	
2. Click on the **Password** text box to activate the I-Bar	I-Bar appears in password box.
3. Click on the **USERID** text box and enter your assigned ***USERID***	I-Bar appears in USERID box.
4. **Click on the Password text box** and enter your assigned ***Password***	The DART Summary screen appears.
5. Click on the **TPFDD** editor action button	The TPFDD Editor screen appears.
6. Click on **TPFDD** line in the TPFDD Information Box	The Operations Menu appears.
7. Click on the **SELECT** action button	The Choose an OPLAN Menu appears.
8. Click on the desired **OPLAN**	The Choose a TPFDD Menu appears.
9. Select the desired **TPFDD** by clicking on the appropriate action button	TPFDD loads to TPFDD editor.
10. Select the **FM EDITS** menu option from the menu option bar	The Force Module Operations screen appears.
11. Select the **Edit FM Text** action button	DART displays the Choose a Force Module screen.
12. Click on desired **FM** action button	The Edit Title and Description screen appears.
13. Edit text as required Click **OK**	DART returns to the TPFDD Edit screen.

2.1.5 QUERY AND VIEW GSORTS UI FILE AND SOURCE REQUIREMENTS

QUERY AND VIEW GSORTS UI FILE AND SOURCE REQUIREMENTS	
INPUT	**EXPECTED RESULTS**
The DART user is able to query and view GSORTS UI File and source force requirements using the UI File.	
1. Launch **DART**	
2. Click on the **Password** text box to activate the I-Bar	I-Bar appears in password box.
3. Click on the **USERID** text box and enter your assigned ***USERID***	I-Bar appears in USERID box.
4. **Click on the Password text box** and enter your assigned ***Password***	The DART Summary screen appears.
5. Click on the **TPFDD** action button	The TPFDD Editor screen appears.
6. Click on **TPFDD** line in the TPFDD Information box	The Operations Menu appears.
7. Click on the **SELECT** action button	The Choose an OPLAN Menu appears.
8. Click on the desired **OPLAN** action button	The Choose a TPFDD Menu appears.
9. Select the desired **TPFDD** by clicking on the appropriate action button	TPFDD loads to TPFDD editor.
10. Click on **View** action button	
11. Click on **Unit Information** action button	
12. Click on **Query** action button	
13. Click on button next to **UIC**	
14. Type valid ***UIC***	
15. Click on **Do It**	
16. Click on **UIC** in black area on the left of the screen	UIC data will be displayed.

QUERY AND VIEW GSORTS UI FILE AND SOURCE REQUIREMENTS	
INPUT	**EXPECTED RESULTS**
17. Click on **Exit**	
18. Click on **TPFDD** in white box on upper left of the screen	
19. Click on **Exit**	
20. Click on **FILE** action button	
21. Click on **Exit DART**	

2.1.6 CREATE TPFDD FORCE RECORDS

CREATE TPFDD FORCE RECORDS	
INPUT	**EXPECTED RESULTS**
The DART user is able to create new TPFDD force records.	
1. Launch **DART**	
2. Click on the **Password text box** to activate the I-Bar	I-Bar appears in password box.
3. Click on the **USERID** text box and enter your assigned ***USERID***	I-Bar appears in USERID box.
4. Click on the **Password** text box and enter your assigned ***Password***	The DART Summary screen appears.
5. Click on the **TPFDD** action button	The TPFDD Editor screen appears.
6. Click on **TPFDD** line in the TPFDD Information box	The Operations Menu appears.
7. Click on the **SELECT** action button	The Choose an OPLAN Menu appears.
8. Click on the desired **OPLAN**	The Choose a TPFDD Menu appears.
9. Click on the desired **TPFDD**	TPFDD loads to TPFDD editor.
10. Click on **SELECT**	The User Specified Record Retrieval Screen appears.

CREATE TPFDD FORCE RECORDS	
INPUT	**EXPECTED RESULTS**
11. Select ENTIRE TPFDD button.	DART displays the retrieved records on the Chart Display.
12. Click on **Create Records** in the Menu Bar Option Line.	The Enter UTC for ULNs Created window appears.
13. Type in a valid Unit Type Code (UTC)**[RETURN]**	A Start with 4-character FRN window appears.
14. Type in the number of ULNs to be created**[RETURN]**	DART creates the desired records and adds them to the bottom of the collection.

2.1.7 UPDATE TPFDD FORCE RECORDS FROM TUCHA

UPDATE TPFDD FORCE RECORDS FROM TUCHA	
INPUT	**EXPECTED RESULTS**
The DART user is able to update TPFDD force records from the TUCHA file.	
1. Launch **DART**	
2. Click on the **Password** text box to activate the I-Bar	I-Bar appears in password box.
3. Click on the **USERID** text box and enter your assigned ***USERID***	I-Bar appears in USERID box.
4. Click on the **Password** text box and enter your assigned ***Password***	The DART Summary screen appears.
5. Click on the **TPFDD** action button	The TPFDD Editor screen appears.
6. Click on **TPFDD** line in the TPFDD Information box	The Operations Menu appears.
7. Click on the **SELECT** action button	The Choose an OPLAN Menu appears.
8. Click on the desired **OPLAN** action button	Choose a TPFDD Menu appears.
9. Click on the desired **TPFDD**	TPFDD loads to TPFDD editor.

UPDATE TPFDD FORCE RECORDS FROM TUCHA	
INPUT	**EXPECTED RESULTS**
10. Click on **TPFDD** line in the TPFDD Information Box	The Operations Menu appears.
11. Click on the **UPDATE** action button	A notification window appears.
12. Click on **OK**	The Cancelled UTC Menu appears.
13. Click on the desired action button to replace cancelled UTCs with replacements or use the original UTCs	An action confirmation window appears.
14. Click on **OK**	DART updates TPFDD records from the TUCHA file previously downloaded to the server.

2.2 FAPES. The Force Augmentation Planning and Execution System (FAPES) is used by personnel and mobilization planners to track the deployment of unit personnel.

2.2.1 FAPES CHECKLIST

FAPES CHECKLIST	
INPUT	**EXPECTED RESULTS**
1. From the FAPES Horizontal Menu, **[RETURN]**	FAPES Pulldown Menu appears.
2. Cursor to Support Tools/Utilities **[RETURN]**	Support Tools/ Utilities menu appears.
3. **[RETURN]**	Checklist appears.
4. Cursor through the list to an item, press **[RETURN]** several times	Toggles through responses.
5. Press**[F8]**	Screen appears which allows addition or modification
The bracket field allows the user to record a "Y' or "N" response to a particular action. The response will remain on the system until the user modifies or deletes it. The text field is for the issue or question. The number field identifies the number of the checklist item. The system automatically generates the number after a new question or issue has been saved.	
6. To add a question: Cursor to **blank default field** Type ***N***, press [TAB] Type ***Are watch team members updating FAPES with JOPES and SORTS data on a daily basis?*** Press **[TAB]**	The cursor moves to the next question field.
7. Press **[F10]**	Main checklist appears.
8. Press **[F8]**	Question appears.
9. At **[Y]**, press **[TAB]**	Message appears.
10. Press **[F2]**	Add/Modify Checklist screen appears with new question.
11. Press **[F10]**	Main Checklist appears.
12. Press **[F10]**	Support Tools/Utilities Pop-up menu appears.

2.2.2 UNIT STATUS INDICATORS

UNIT STATUS INDICATORS	
INPUT	**EXPECTED RESULTS**
1. From the FAPES Pulldown Menu, select **Strategy Determination**	**Strategy Determination** screen appears.
2. Select **Unit Status Indicators [RETURN]**	After a brief interval, a summary screen appears.
3. Select **Threat [RETURN]**	Document listing appears.
4. Click on **Open**	File format pop-up appears.
5. Click on **Text**	Document appears.
6. Point and hold on **Search** Drag to **Go To**, Release Type ***999*[RETURN]**	Goes to end of document.
7. Press **[F7]**	Save Changes option appears.
8. Click on **No**	Exits WordPerfect.
9. Press **[F10]**	FAPES Pulldown Menu appears.
10. Click on Command Line Type ***ses def*** **[RETURN]**	Session Defaults Screen appears.

2.3 LOGSAFE. The Logistics Sustainment and Feasibility Estimator (LOGSAFE) is used by sustainment planners to create non-unit cargo records

2.3.1 INITIALIZING FILES IN LOGSAFE

INITIALIZING FILES IN LOGSAFE	
INPUT	**EXPECTED RESULTS**
1. From the **GES Main Menu**, click on **LOGSAFE** icon	The **LOGSAFE Main Menu** will appear.
2. Click on **INPUT FILE PREPARATION**	A secondary cascading menu will appear.
3. Click on **CREATE**	A secondary cascading menu will appear.
4. Click on **FREF**	If a FREF file already exists, the message **This selection will overwrite the data in the FREF files(s)** will be displayed.
5. Click on **OK**	The **Create FREF** window appears.
6. Enter ***PlanID*** and change modifiable to **Y [RETURN]**	
7. Press **F10(s)** to return to **CREATE** Click on **POSF**	If a POSF file exists, the message **This selection will overwrite the data in the POSF files(s)** will be displayed.
8. Click on **OK**	The **Create POSF** window appears.
9. Enter ***POSF Identifier*** Answer **Y** to **Build from FREF**, and enter ***Classification*****[RETURN]**	
10. Press **F10(s)** to return to **CREATE** click on **UCFF**	If a UCFF file exists, the message **This selection will overwrite the data in the UCFF files(s)** will be displayed.
11. Click on **OK**	The **Create UTC Consumption Factors File** window appears
12. Enter ***Target Theater for consumption rates*** and ***Classification*****[RETURN]**	(NOTE: This step takes several minutes to complete).
13. Press **F10(s)** to return to **CREATE** Click on **PFF**	If a PFF file already exists, the message **This selection will overwrite the data in the PFF files(s)** will be displayed. If not, a secondary cascading menu will appear.

INITIALIZING FILES IN LOGSAFE	
INPUT	**EXPECTED RESULTS**
14. If the message appears, click on **OK** If the cascading menu appears, select **NEW[RETURN]**	The **Create PFF** window appears.
15. Enter ***CINC Code***, ***Target Theater for Origin***, ***Target Theater for Consumption***, and ***Classification*****[RETURN]**	Apportionment list appears.
16. Press **F10(s)** to return to the main menu	**LOGSAFE Main Menu** appears.
17. Click on **SUSTAINMENT REQUIREMENTS GENERATION**	A secondary cascading menu will appear.
18. Click on **RUN MODELS**	A secondary cascading menu will appear.
19. Click on **GENERAL SUPPLY MODEL**	A secondary screen will appear listing Services.
20. Click on ***MARINES*** **[RETURN]** NOTE: Presumably this is the first LOGSAFE run with this FREF. LOGSAFE creates NURCS only once, so if this is a subsequent iteration, select a service for which NURCs have not been created. Additionally, there must be data (other than 9999999.99 in some of the UCFF GENERAL RESUPPLY categories for the Service selected)	Generation in progress screen appears.
21. When red **COMPLETE** appears**[RETURN]**	A secondary cascading menu will appear.
22. Click **F10(s)** until the LOGSAFE main menu appears	
23. Click on **UNSOURCED NURC RECORD GENERATION**	A secondary cascading menu will appear.
24. Click on **GENERATE NURC RECORDS**	A secondary cascading menu will appear.
25. Click on **BYPASS AVAILABILITY CHECK**	**Service Selection Combination** screen appears.

INITIALIZING FILES IN LOGSAFE	
INPUT	**EXPECTED RESULTS**
26. Click on ***MARINES*[RETURN]**.	**UNSOURCED NURC RECORD GENERATION** screen appears.
27. When red **COMPLETE** appears**[RETURN]**	A secondary cascading menu will appear.
28. Click **F10(s)** until the main menu appears	
29. Click on **NURC RECORD CHANNELIZATION**	**PROVIDING ORGANIZATION SELECTION CHOICES** screen appears.
30. Click on **UNSOURCED[RETURN]**	**NURC AGGREGATION** screen in-progress appears.
31. When red **COMPLETE** appears**[RETURN]**	
32. Click on **NURC REPORTS**	A secondary cascading menu will appear.
33. Click on **CHANNELIZED**	A secondary cascading menu will appear.
34. Click on **NURC RECORD COUNTS**	A secondary cascading menu will appear.
35. Click on **DISPLAY ON SCREEN**	**Channelized NURC Record Counts** displays on screen (e.g., 14 Marine records are created).
36. Click on **F12 EXIT** button	The message **F12 will terminate this program - OK** will also be displayed.
37. Click on **OK**	The **GES Main Menu** will appear

2.4 JFAST. The Joint Flow and Analysis System for Transportation (JFAST) is a tool used for making detailed estimates of resources required to transport military forces during various scenarios.

2.4.1 JFAST MODELS

JFAST MODELS	
INPUT	**EXPECTED RESULTS**
1. Click on the **UTILITIES** button, then on the **GEOFILE HELP** button	The **GEOFILE HELP** screen appears.
2. Type : ***TMKH***, and tab to **GEOLOC** and **[RETURN]**	List of GEOFILE information appears with Pope AFB highlighted.
3. Press **ESC** and tab to **DONE [RETURN]**	JFAST Main Menu appears.
4. Click on **Transportation Analysis** button.	The TRANSPORTATION ANALYSIS screen appears.
5. Click on **RUN MODELS** button.	The SCHEDULING OPTIONS screen appears.
6. To run all models at one time, turn the **Air**, **Land**, and **Sea** Scheduler options to **ON** and click on **RUN**	Cancel or Start Models Menu appears.
7. Click on **Start Models**	The screen updates as the simulation progresses and the Transportation Analysis screen appears.
8. Click on **DONE**	JFAST Main Menu appears.
9. Click on the **Notional Requirements Generator** button	A processing screen appears, then the main NRG screen.
10. Select **DEFINE FORCES**	The Select Major Units screen appears.
11. Click on any 4 major forces to select.	Selected forces are marked.
12. Select **PHASE UNITS**	The Phase Major Units screen appears.
13. Click on **DONE** and **DONE**	The main NRG screen appears.
14. Click on **QUIT PROGRAM**	
15. Select **YES**	JFAST Main Menu appears.
16. Click on the **TRANSPORTATION ANALYSIS** button	

JFAST MODELS	
INPUT	**EXPECTED RESULTS**
17. Click on the **LAND SUMMARY** button (At the very bottom)	
18. Click on the **REQUIREMENTS** button	
19. Select **LAND: AIR REQUIREMENTS BY ORIGIN**	
20. Highlight **FORT BRAGG**	List of ULN data appears (and other data).
21. Click on the purple window in upper right corner to exit	
22. Click on the **GRAPHS AND REPORTS** button	A pick-up list appears.
23. Select the **MAP CONUS ORIGINS**	CONUS map with unit Origins appears.
24. On the map, move pointer to **Fort Bragg** and click	
25. Click on **ZOOM** button	ZOOM button is depressed.
26. Move the pointer (now a circle) back to Fort Bragg and click **LEFT** mouse button	Area selected is expanded.
27. Click on **HIGHWAYS** button	CONUS map displays with highway overlay.
28. Move the pointer (now a circle) back to Fort Bragg and click **LEFT** mouse button	Map enlarges to 4 times original size.
29. Click the **RIGHT** mouse button twice	Map returns to normal.
30. Click on the **EXIT** button	
31. To exit **JFAST**, click on **DONE**	The **C:\ >** prompt will be displayed.

APPENDIX A. AIR GAP PROCEDURES

AIR GAP PROCEDURES (INTERIM)

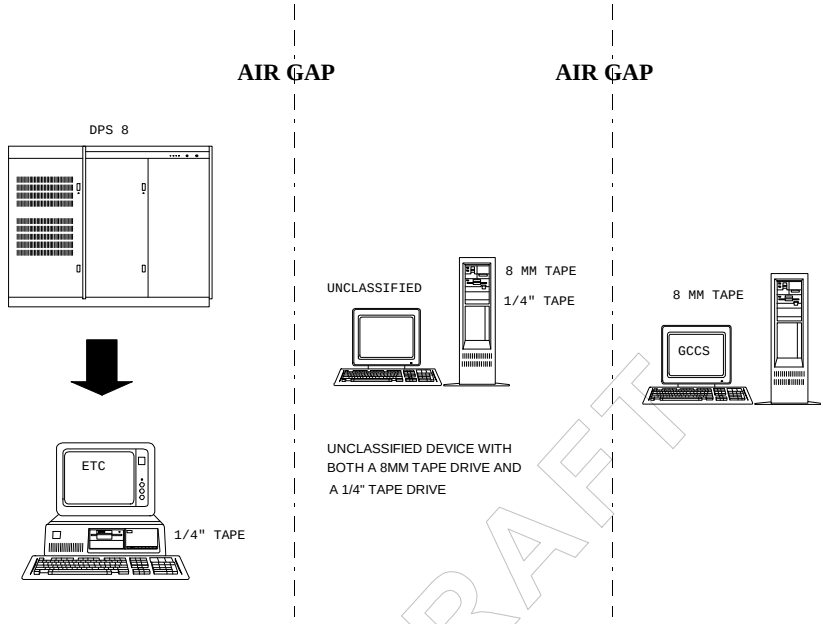

Figure A-1. Notional Air Gap Diagram

A.1 TRANSFERRING REFERENCE FILES TO RFM

INPUT	EXPECTED RESULTS
From a WIS Workstation connected to WWMCCS with a 1/4" Tape Drive	
1. Use ETC or FTP to transfer file to WWS	
2. Insert 1/4" tape into tape drive.	Allow tape to rewind.
3. At the command shell type ***cd /dirname*** (to directory where file was downloaded)	System prompt returns
4. Type ***tar cvf /dev/rmt/wt6 filename*** (**note**: wt6 is is the typical device name for the 1/4" tape drive) (filename that was downloaded)	~ blocks copied
Using an unclassified device having both a 1/4" tape drive and a 8mm tape drive (such as a standalone DART machine) copy file to 8mm tape. (Air Gap)	
5. Type ***cd /tmp***	Changes to tmp directory
6. Type ***tar xvf /nnn filenamex*** (where nnn is the device name of the 1/4" tape drive)	
7. Type ***tar cvf /xxx filenamex*** (where xxx is the device name of the 8mm tape drive)	Copies the file onto 8mm tape.

INPUT	EXPECTED RESULTS
8. Type ***rm filenamex***	This removes the file from the temporary directory. (If a re-boot of the machine is anticipated soon, this may be unnecessary.)
Copy the 8mm tape to the GCCS Server and into directory /ims/refs (Air Gap)	
9. Insert 8mm tape into drive on GCCS server.	
10. Type ***cd /imsdata/refs***	Directory changes
11. Type ***tar xvf /xxx filename2*** (where **xxx** is the device name of the 8mm tape drive on the GCCS server) (**filename2** will be one of the names specified in the refmgr admin tool, e.g. **asset.dat**. If you cannot remember the file names, review the refmgr admin tool.)	Tape drive will wind.

A.2 TRANSFERRING TPFDDS TO IMS

INPUT	EXPECTED RESULTS
From a WIS Workstation connected to WWMCCS with a 1/4" Tape Drive	
1. Use ETC or FTP to transfer file to WWS	
2. Insert 1/4" tape into tape drive.	Allow tape to rewind.
3. At the command shell type ***cd /dirname*** (to directory where file was downloaded)	System prompt returns

INPUT	EXPECTED RESULTS
4. Type ***tar cvf /dev/rmt/wt6 filename*** (**note**: wt6 is is the typical device name for the 1/4" tape drive) (filename that was downloaded)	~ blocks copied
Using an unclassified device having both a 1/4" tape drive and a 8mm tape drive (such as a standalone DART machine) copy file to 8mm tape. (Air Gap)	
5. Type ***cd /tmp***	Changes to tmp directory
6. Type ***tar xvf /nnn filenamex*** (where nnn is the device name of the 1/4" tape drive)	
7. Type ***tar cvf /xxx filenamex*** (where xxx is the device name of the 8mm tape drive)	Copies the file onto 8mm tape.
8. Type ***rm***	This removes the file from the temporary directory. (If a re-boot of the machine is anticipated soon, this may be unnecessary.)
Copy the 8mm tape to the GCCS Server and into directory /tpfdds (Air Gap)	
9. Insert 8mm tape into drive on GCCS server.	
10. Type ***cd /tpfdds**** *or directory designated by SA	Directory changes

INPUT	EXPECTED RESULTS
11. Type ***tar xvf /xxx filename2*** (where **xxx** is the device name of the 8mm tape drive on the GCCS server) (**filename2** will be the name given the TPFDD.)	Tape drive will wind. This action will put the file in the B8 directory, where it may be read-in by IMS.